

Amendments to the Claims:

The following listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An exothermic reaction mixture comprising the following reaction components:

- a) exothermic generating particles having an average particle diameter of at least about 100 microns;
- b) a volatile component;
- c) an anti-foaming agent; and
- d) a buffer;

wherein the reaction mixture is suspended in a continuous phase water soluble coating comprising at least one water soluble coating ingredient comprising polyethylene glycol (PEG) having a molecular weight from 2000 to 6000 ~~2000-6000~~.

2. (Original) The reaction mixture of claim 1 wherein the reaction components further comprise an aqueous solution.

3. (Currently Amended) The reaction mixture of claim 1, 2 wherein, when the reaction components are mixed with an aqueous solution, together, the temperature of the resulting reaction mixture is operable to increase in temperature ~~increases~~ to a Set Temperature that is greater than about 35°C and less than about 75°C, within less than 20 minutes.

4. (Currently Amended) The reaction mixture of claim 3 wherein the resulting reaction mixture is operable to remain ~~remains~~ within 15°C of the Set Temperature for at least about 45 minutes.

5. (Original) The reaction mixture of claim 1 wherein the volatile component is selected from the group consisting of a perfume, a fragrance, an insect repellent, a fumigant, a disinfectant, a bactericide, an insecticide, a pesticide, a germicide, an acaricide, a sterilizer, a deodorizer, a fogging agent and mixtures thereof.

6. (Original) The reaction mixture of claim 1 wherein the volatile component is selected from the group consisting of a musk oil, civet, castreum, ambergris, plant perfumes, sandalwood oil, neroli oil, bergamot oil, lemon oil, lavender oil, sage oil, rosemary oil,

peppermint oil, eucalyptus oil, menthol, camphor, verbena oil, citronella oil, cauout oil, salvia oil, clove oil, chamomille oil, sandalwood oil, costus oil, labdanum oil, broom extract, carrot seed extract, jasmine extract, minmosa extract, narcissus extract, olibanum, extract, rose extract, acetophenone, dimethylinadane derivatives, naphthaline derivatives, allyl caprate, .alpha.-amylcinnamic aldehyde, anethole, anisaldehyde, benzyl acetate, benzyl alcohol, benzyl propionate, borneol, cinnamyl acetate, cinnamyl alcohol, citral citronnellal, cuminaldehyde, cyclamen aldehyde, decanol, ethyl butyrate, ethyl caprate, ethyl cinnamate, ethyl vanillin, eugenol, geraniol, exenol, alpha.-hexylcinnamic aldehyde, hydroxycitronellal, indole, iso-amyl acetate, iso-amyl iso-valerate, iso-eugenol, linalol, linalyl acetate, p-methylacetophenone, methyl anthranilate, methyl dihydroasmonate, methyl eugenol, methyl-.beta.-naphthol ketone, methylphenylcarbinyl acetate, musk ketol, musk xylol, 2,5,6-nanodiol, .gamma.-nanolactone, phenylacetaldehydodimethyl acetate, beta.-phenylethyl alcohol, 3,3,5-trimethylcyclohexanol, .gamma.-undecalactone, undecenal, vanillin, and mixtures thereof.

7. (Original) The reaction mixture of claim 1 wherein the exothermic generating particles are selected from the group consisting of uncomplexed metals, metal salts, metal oxides, metal hydroxides, metal hydrides and mixtures thereof, wherein the metals are selected from the group consisting of beryllium, magnesium, lithium, sodium, calcium, potassium, iron, copper, zinc, aluminum and mixtures thereof.

8. (Original) The reaction mixture of claim 7 wherein the exothermic generating particles are selected from the group consisting of beryllium hydroxide, beryllium oxide, beryllium oxide monohydrate, lithium aluminum hydride, calcium oxide, calcium hydride, potassium oxide, magnesium chloride, magnesium sulfate, aluminum bromide, aluminum iodide, sodium tetraborate, sodium phosphate and mixtures thereof.

9. (Currently Amended) The reaction mixture of claim 1 wherein the exothermic generating particles have an average particle diameter of from about 100 to about 1000 microns.

10. (Original) The reaction mixture of claim 1 wherein the buffer is selected from the group consisting of citric acid, malic acid, fumaric acid, succinic acid, tartaric acid, formic acid, acetic acid, propanoic acid, butyric acid, valeric acid, oxalic acid, malonic acid, glutaric acid, adipic acid, glycolic acid, aspartic acid, pimelic acid, maleic acid, phthalic acid, isophthalic acid, terephthalic acid, glutamic acid, lactic acid, hydroxyl acrylic acid, alpha hydroxyl butyric acid, glyceric acid, tartronic acid, salicylic acid, gallic acid, mandelic acid,

tropic acid, ascorbic acid, gluconic acid, cinnamic acid, benzoic acid, phenylacetic acid, nicotinic acid, kainic acid, sorbic acid, pyrrolidone carboxylic acid, trimellitic acid, benzene sulfonic acid, toluene sulfonic acid, potassium dihydrogen phosphate, sodium hydrogen sulfite, sodium dihydrogen phosphate, potassium hydrogen sulfite, sodium hydrogen pyrosulfite, acidic sodium hexametaphosphate, acidic sodium pyrophosphate, acidic potassium pyrophosphate, sulfamic acid, ortho-phosphoric acid, pyro-phosphoric acid and mixtures thereof.

11. (Original) The reaction mixture of claim 1 wherein the ratio by weight of the exothermic generating particles to the buffer is in the range of from 200:1 to 1:200.

12. (Original) The reaction mixture of claim 1 where the anti-foam agent is selected from the group consisting of silicone antifoam compound, an alcohol antifoam compound, light petroleum odorless hydrocarbons, fatty acid esters, fatty acid esters of monovalent alcohols, aliphatic C18-C40 ketones, nonionic polyhydroxyl derivatives and mixtures thereof.

13. (Original) The reaction mixture of claim 1 further comprising a thickening agent selected from the group consisting of polyacrylic acids, gums, cellulose, thoxylated cellulose, carboxymethylcellulose, hydroxymethylcellulose, hydroxypropyl cellulose, hydroxyethyl cellulose, clay, silica, and any mixtures thereof.

14. (Original) The reaction mixture of claim 1 further comprising a water soluble visual enhancement agent selected from the group consisting of a dye, a chemiluminescence agent, a fluorescence agent, a pearlescence agent, and mixtures thereof.

15. (Currently Amended) The reaction mixture of claim ~~14~~ 12 wherein the visual enhancement agent is selected from the group consisting of fire-fly luciferase, adenosinetriphosphate, ethylene glycol disteate and mixtures thereof.

16.-22. (Cancelled).

23. (New) A process for controllably releasing a volatile compound to a surrounding environment, the process comprising adding water to the reaction mixture of claim 1.

24. (New) The process of claim 23, wherein the reaction mixture further comprises a thickening agent.

25. (New) An exothermic reaction mixture comprising the following reaction components:

- a) exothermic generating particles;
- b) a volatile component;
- c) an anti-foaming agent; and
- d) a buffer;

wherein the reaction mixture is suspended in a continuous phase water soluble coating comprising at least one water soluble coating ingredient comprising polyethylene glycol (PEG) having a molecular weight of from 2000 to 6000, and wherein, when the reaction components are mixed with an aqueous solution, the resulting reaction mixture is operable to increase in temperature to a set temperature that is greater than about 35°C and less than about 75°C, within less than 20 minutes, and is operable to remain within 15°C of the set temperature for at least about 45 minutes.

26. (New) An exothermic reaction mixture comprising the following reaction components:

- a) exothermic generating particles;
- b) a volatile component;
- c) an anti-foaming agent; and
- d) a buffer;

wherein the reaction mixture is suspended in a continuous phase water soluble coating comprising at least one water soluble coating ingredient comprising polyethylene glycol (PEG) having a molecular weight of from 2000 to 6000, and wherein the anti-foaming agent comprises silicone anti-foam compound and silica particles.

27. (New) The reaction mixture of claim 1, wherein the volatile component comprises a fragrance.

28. (New) The reaction mixture of claim 27, wherein the anti-foaming agent comprises silicone antifoam compound.

29. (New) The reaction mixture of claim 28, wherein the anti-foaming agent further comprises silica particles.